APPENDIX IV

HTRW Assessment

PN

CESAJ-PD-EE (1110-2-1150b) 8 July 1999

MEMORANDUM FOR Chief, Plan Formulation Branch

SUBJECT: Hazardous, Toxic and Radioactive Waste (HTRW) Assessment of Ybor Turning Basin, Port Sutton and the Proposed Dredged Material Disposal Sites, Hillsborough County, Florida.

1. Reference a 12 November 1998 email requesting a HTRW evaluation of the Ybor Turning Basin, Port Sutton and the Proposed Dredged Material Disposal Sites.

2. Enclosed is the final HTRW Assessment for Ybor Turning Basin and Port Sutton Maintenance Dredging. The port and turning basin are located in a dense light and heavy industrial part of Tampa Bay. The proposed dredged material disposal sites have limited access and were formerly used for dredge material disposal. The probability of uncovering hazardous or toxic waste at these dredged material disposal sites is low. The probability of discovering contaminated sediments in the Ybor Turning Basin and Port Sutton is relatively high. This contamination may be due to stormwater run-off over a period of many years.

3. For questions concerning this submission, please contact Mr. Peter Besrutschko at 904-232-2298.

Encl

HANLEY K. SMITH
Chief, Environmental Branch

JUNE 1999

Hazardous, Toxic and Radioactive Waste (HTRW) Assessment

YBOR TURNING BASIN and PORT SUTTON MAINTENANCE DREDGING PROJECT
Hillsborough County,
Florida

U.S. Army Corps
of Engineers
Jacksonville District

Besrutschko/CESAJ-PD-EE/2298
McAdams/CESAJ-PD-EE
Smith/CESAJ-PD-E
Duck/CESAJ-PD

c:\msoffice\winword\YBOR_mem

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

1.1 SUMMARY

A Hazardous, Toxic and Radiological Waste (HTRW) site assessment was conducted on the Ybor Channel Turning Basin, Port Sutton and the proposed dredged material disposal sites. The hazardous and toxic waste evaluation revealed that the Ybor Turning Basin and Port Sutton are used for navigation. The property surrounding these navigation channels consists of heavy industrial port facilities and a petrochemical terminal. The site appears to be free of hazardous and toxic waste concerns. The hazardous and toxic waste (HTRW) review of the proposed sites did not reveal evidence of HTRW contamination.

1.2 INTRODUCTION

1.2.1 Purpose

The goal of this site investigation is to identify recognized environmental conditions. The investigation indicates the presence or likely presence of any hazardous substances or petroleum products. The assessment attempts to reveal conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products on the properties or into the ground, groundwater, or surface water of the properties.

1.2.2 Special Terms and Conditions

The recognized environmental conditions that were considered throughout this investigation included hazardous substances or petroleum products in compliance with laws. The term environmental contamination is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.2.3 Limitations and Exceptions of Assessment

This Phase I Environmental Site Assessment is composed of the following five components: 1) Records Review, 2) Aerial Photography Study, 3) Site Reconnaissance, 4) Interviews, 5) Report. The record review, aerial

photography study, site reconnaissance, and interviews are used in concert with each other.

1.2.4 Limiting Conditions and Methodology Used

There were no limitations imposed by physical obstructions, however, the dredged material disposal sites have limited access. The site visit conducted 27 January 1999 revealed that the disposal sites are all located at very remote locations. The sites have limited access, surrounded by light industrial activity.

1.3 SITE DESCRIPTION

1.3.1 Vegetation

A site reconnaissance and review revealed that the land located around the Ybor Harbor Turning Basin and Port Sutton consist of industrial port activities. The land located around the proposed disposal sites is very developed and very little vegetation was observed. The project channel has no vegetation located on the shore because these are prime port facilities.

1.3.2 Soils

The disposal sites consist of sandy soil typical to Hillsborough County. The property along the project channel is developed and covered with structures.

1.3.3 Location and Legal Description

The facilities are located in Hillsborough County, Florida as shown on the maps in figures 1, 2, A1 and A2.

1.3.4 Descriptions of Structures, Roads, other improvements on the Site (including heating and cooling system, sewage disposal, potable water source)

The four proposed Dredged Material Disposal Sites are located in remote areas as shown in figures A1, and A2. There are no structures, roads or other improvements located on the proposed disposal sites. The project area consists of navigation channels. The aerial photography shows the proposed dredged material disposal areas. See aerial photographs in appendix A5, and A6.

1.3.5 Information (if any) Reported by Auditor Regarding Environmental Liens or Specialized Knowledge or Experience

No specialized knowledge is available for these sites.

1.3.6 Current Uses of the Property

The project area is used as a navigation channel. The photograph, figure A7 shows the typical features of the area. Both the disposal and the dredge maintenance project is located within the larger Tampa Bay which has extensive harbor facilities, industrial activity and petrochemical terminal operations. Figures 1, 2, A1, A2, A3, A4, A5, A6 and A7 show an overview of the Tampa Bay as related to these proposed project areas.

1.3.7 Past Uses of the Property (to the extent identified)

The proposed project area was used as a navigation channel for more than forty years. The proposed dredged material disposal sites appear to have been previously used as dredged material disposal areas.

1.3.8 Current and Past Uses of Adjoining Properties (to the extent identified)

By all indications observed throughout the site investigation, the adjoining properties of the project area are harbor facilities, and light to heavy industry, while the dredged material disposal sites are undeveloped. See figures 1, 2, A2, A3, A4, A5, and A6.

1.3.9 Site Rendering, Map, or Site Plan

See figures 1, 2, A1 and A2.

1.4 RECORDS REVIEW

1.4.1 Standard Environmental Records Sources, Federal, State, and/or Local.

Several database searches were performed. The results were plotted on to the proposed area project maps. Figures A3 and A4 shows potential sources of contamination. The following databases were included in the review: National and State Priority Listed Sites, landfills, Federal and State Conservation Environmental Restoration Comprehensive Liability Act (CERCLA) listed sites, listed violators, underground storage tanks (UST's) and leaking underground storage tanks (LUST), Treatment Storage and Disposal facilities (TSD's), listed spills, Small (SQG) and Large Quantity Generators (LQG), Transporters and aboveground storage tanks (AST's). As shown in figure A3 and A4 contaminants and activities prone to contamination are not on or immediately adjacent to the proposed dredged material disposal sites.

1.4.2 Physical Setting Source(s)

The quadrangle map A1, A2 and aerial photographs A3, A4 and A5 indicate that the dredged material disposal sites have limited access. The dredge maintenance project area is located in Tampa Bay, surrounded by light and heavy industry.

1.4.3 Historical Use Information

The dredge maintenance project areas have been used for navigation for more than forty years. The dredged material disposal sites are undeveloped.

1.4.4 Additional Record Sources

None

1.5 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

Mr. Peter Besrutschko, Jacksonville District, US Army Corps of Engineers (Corps) performed the site investigation on 27 January 1999. Access to the sites is limited. The sites are surrounded by industrial facilities.

1.5.1 Hazardous Substances in Connection with Identified Uses (including storage, handling, disposal)

There is no evidence that the adjacent properties of the Ybor Turning Basin and Port Sutton have contaminated the project area. The hazardous and/or toxic waste database plotted in figure A4 and A5 shows that potential contaminants are located in close vicinity of the project area. Although the potential contamination sources exist, there is no evidence that the channel was contaminated by specific sources. Our dredged sediment analysis program has shown that large harbors occasionally retain contaminants over many years, due to stormwater runoff.

1.5.2 Hazardous Substance Containers and Unidentified Substance Containers (including storage, handling, disposal)

No hazardous substance containers and unidentified substance containers were observed.

1.5.3 Storage Tanks (including contents and assessment of leakage or potential for leakage)

No storage tanks were observed on the sites.

1.5.4 Indications of PCBs (including how contained

and assessment of leakage or potential for leakage)

Not applicable.

1.5.5 Indications of Solid Waste Disposal

No recorded or physical data yielded any indications that the disposal of sanitary solid waste has occurred at the sites at any time.

1.5.6 Physical Setting Analysis, if migrating Hazardous Substances are an issue

Migration of hazardous substances from properties adjacent to Ybor Turning Basin and Port Sutton adjacent may be possible. However, that contamination risk is relatively low.

1.5.7 Any Other Conditions of Concern

No other conditions of concern.

1.6 FINDINGS AND CONCLUSIONS

A Phase I Environmental Site Assessment was conducted in conformance with the scope and limitations of ASTM Practice E 1527; of the proposed dredged material disposal sites and Ybor Turning Basin and Port Sutton located in Hillsborough County, Florida. The site visit, conducted 27 January 1999, found that dredged material disposal sites are free of hazardous and toxic materials and waste. Although the potential contamination sources exist, there is no evidence that the channel was contaminated by specific sources. Our sediment analysis history has shown that large harbors occasionally retain contaminants over many years, due to stormwater runoff. In summary, the proposed dredged material disposal sites have a low probability of hazardous or toxic waste contamination.

PRELIMINARY ASSESSMENT SCREENING (PAS)
STATEMENT OF FINDINGS

REAL PROPERTY TRANSACTION: Preliminary site assessments were conducted on the proposed dredged material disposal sites. These sites may be used to disposed dredged materials taken from Ybor Turning Basin or Port Sutton.

SUMMARY:
COMPREHENSIVE RECORD SEARCH: Several database searches were performed and the results were plotted to the proposed area project maps. Figures A1 and A2 shows these potential contaminated sites. The following databases were included in the review: National and State Priority Listed Sites, landfills, Federal and State Conservation Environmental Restoration Comprehensive Liability Act (CERCLA) listed sites, listed violators, underground storage tanks (UST's) and leaking underground storage tanks (LUST), Treatment Storage and Disposal facilities (TSD's), listed spills, Small (SQG) and Large Quantity Generators (LQG), Transporters and aboveground storage tanks (AST's). As shown in figure A3 and A4 contaminants and activities prone to contamination are not on or immediately adjacent to the proposed dredged material disposal sites.

SITE INVESTIGATION: Mr. Peter Besrutschko, Jacksonville District, US Army Corps of Engineers (Corps) performed the site investigation on 27 January 1998. Access to the site is limited because there is no direct road access. The site investigation revealed no evidence of hazardous and/or toxic materials release. Although the potential contamination sources exist, there is no evidence that the channel was contaminated by specific sources. Our dredge maintenance sediment analysis history has shown that large harbors occasionally become contaminated over many years, due to stormwater runoff.

In summary, the proposed dredged material disposal sites have a low probability of hazardous or toxic waste contamination.

Signed: _____ Date: 15 June 99

Prepared by: P. H. Besrutschko
Environmental Engineer, US Army Corps of Engineers

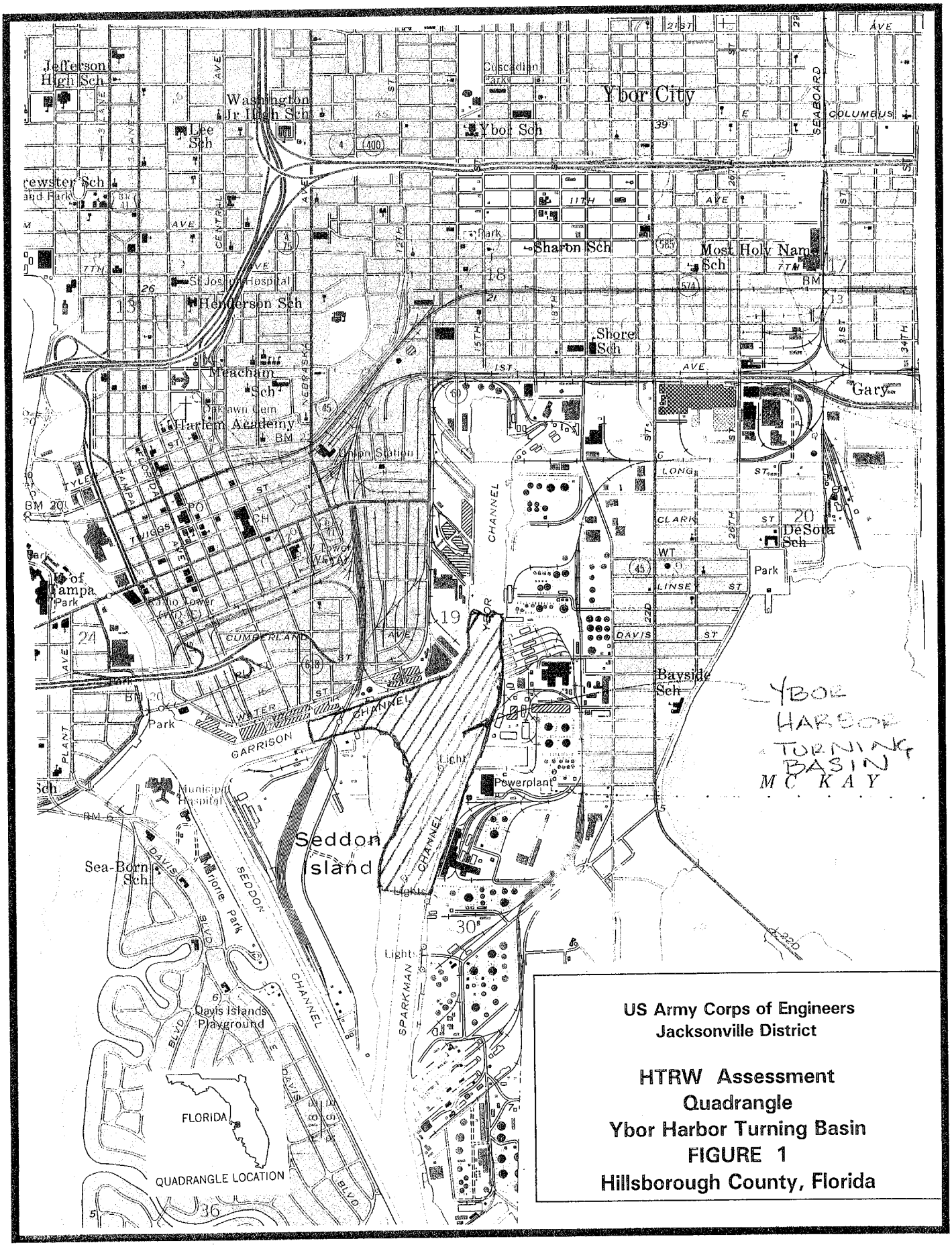
Signed: _____ Date: 22 June 99

Reviewed by: J. J. McAdams, P.E.
Chief, Env. Quality Section, US Army Corps of Engineers

Signed: _____ Date: 9 July 99

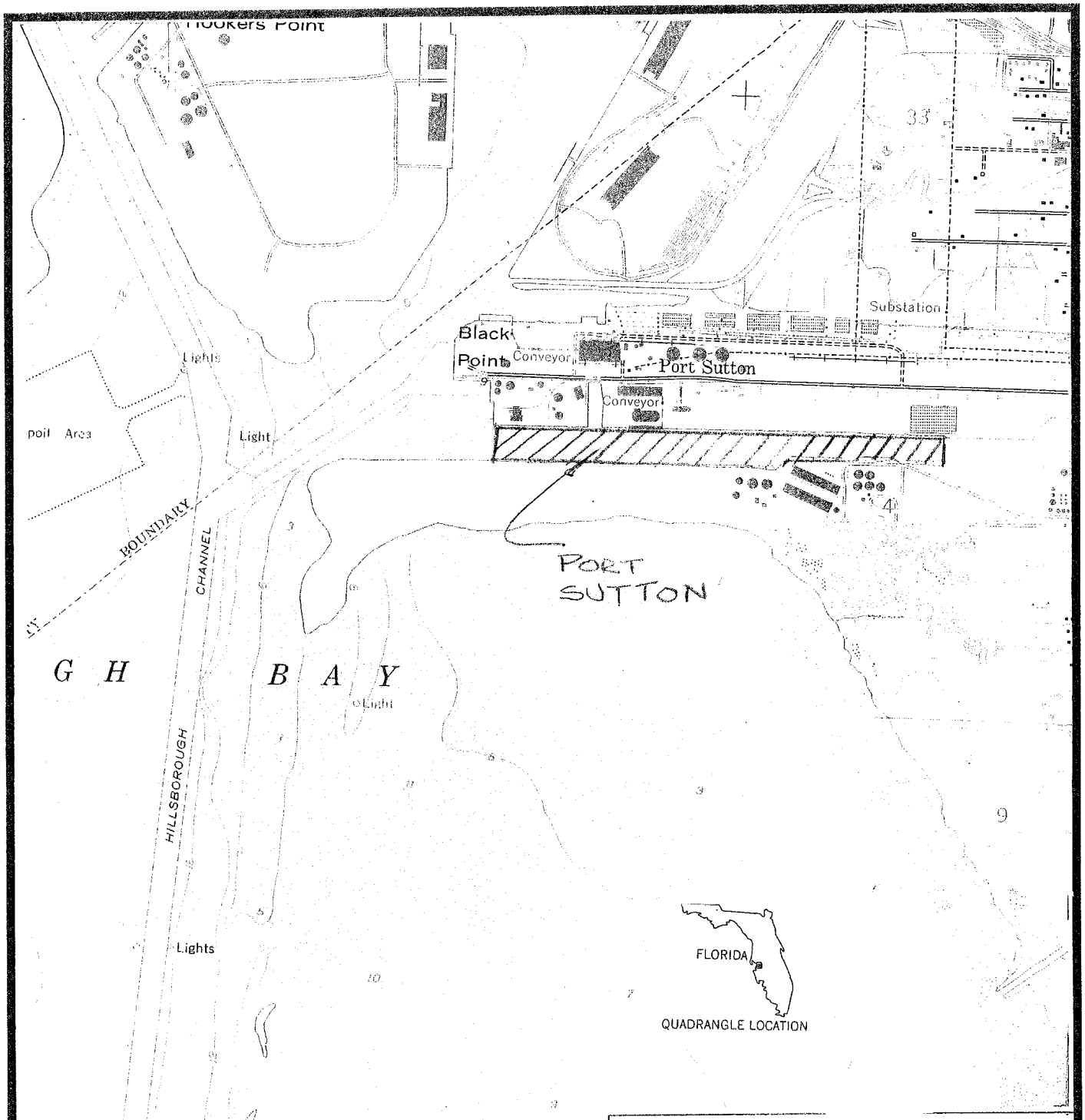
Approved by: H.K. Smith
Chief, Env. Resources Branch, US Army Corps of Engineers

1.7 APPENDICES



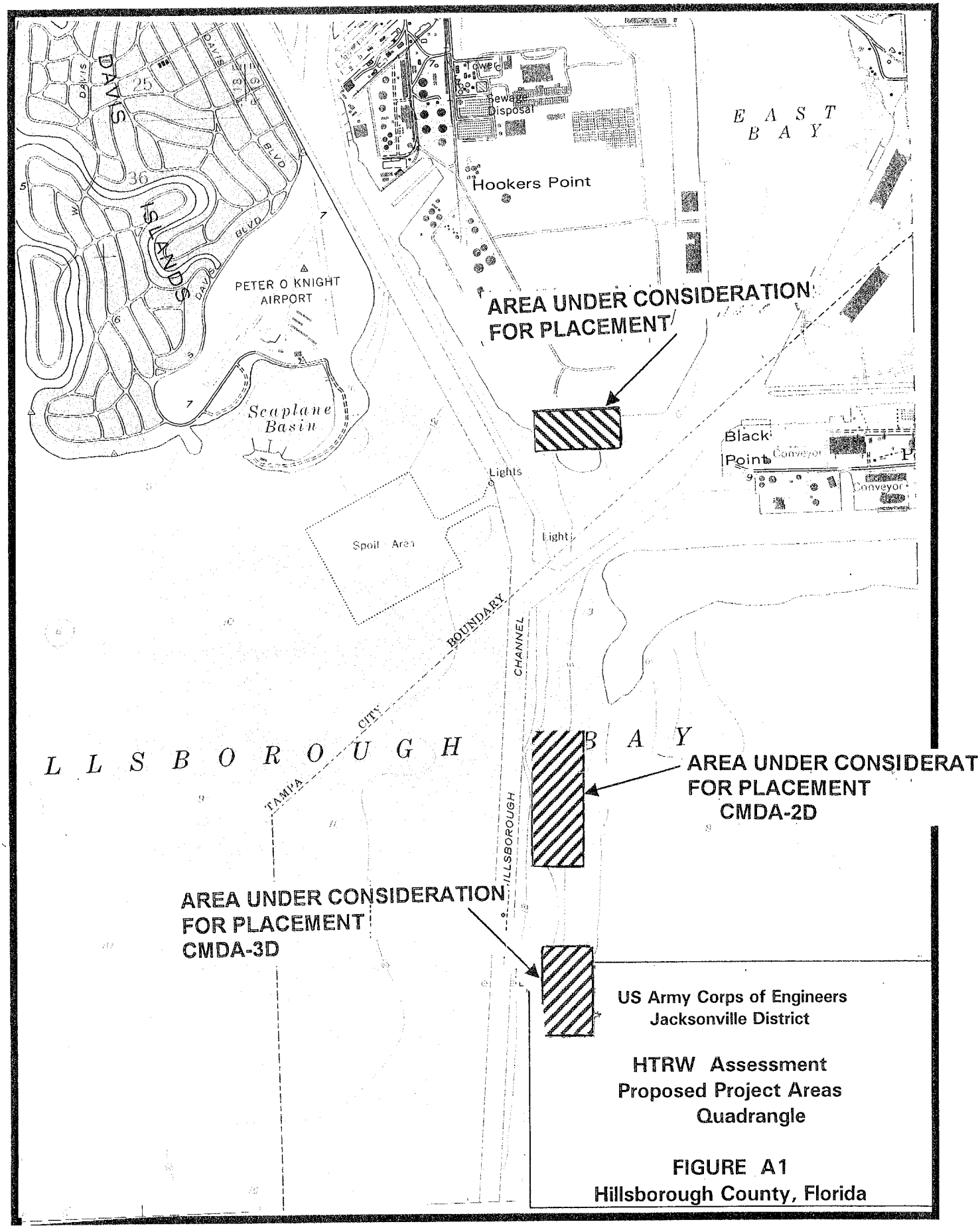
US Army Corps of Engineers
Jacksonville District

HTRW Assessment
Quadrangle
Ybor Harbor Turning Basin
FIGURE 1
Hillsborough County, Florida



US Army Corps of Engineers
Jacksonville District

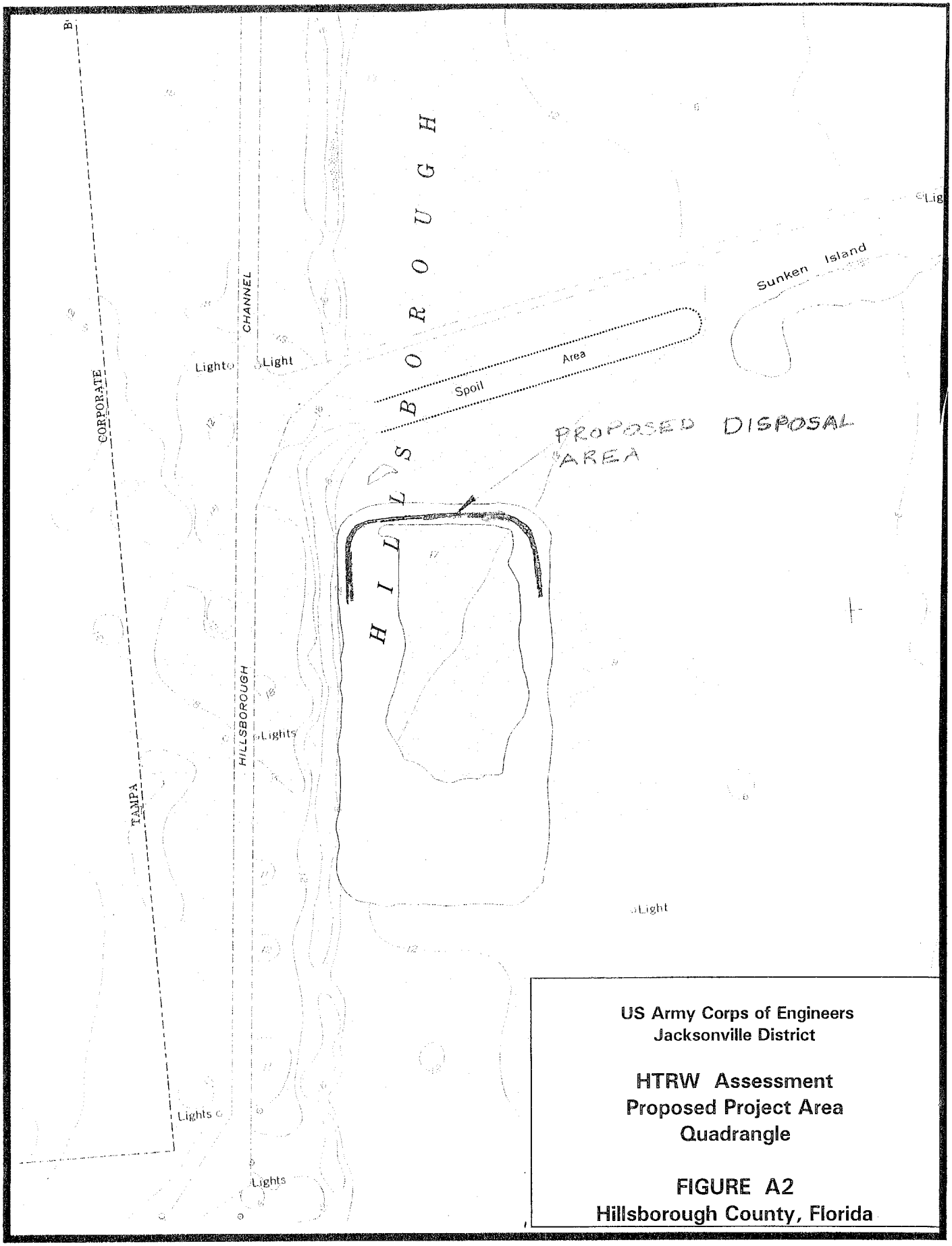
HTRW Assessment
Quadrangle
Port Sutton
FIGURE 2
Hillsborough County, Florida



US Army Corps of Engineers
Jacksonville District

HTRW Assessment
Proposed Project Areas
Quadrangle

FIGURE A1
Hillsborough County, Florida



US Army Corps of Engineers
Jacksonville District

HTRW Assessment
Proposed Project Area
Quadrangle

FIGURE A2
Hillsborough County, Florida

Ybor Harbor Project Area

Roads
Underground Storage Tank Ut12000m.shp
Treatment Storage and Disposal Facility Ts12000m.shp
RCRA Transporter Tr12000m.shp
Tc12000m.shp
Landfills Sw12000m.shp
Spills Ss12000m.shp
State Priority List Sp12000m.shp
Sc12000m.shp
Np12000m.shp
Lt12000m.shp
Gs12000m.shp
Gl12000m.shp
Cr12000m.shp
Co12000m.shp
At12000m.shp

Hydro
Bays, estuaries, gulfs, oceans, or seas
Ditch or canal
Fish hatchery or farm
Lake or pond
Mangrove area
Marsh, wetland, swamp, or bog
Outside area
Stream or River
Tailings pond or settling basin
Void or non-feature

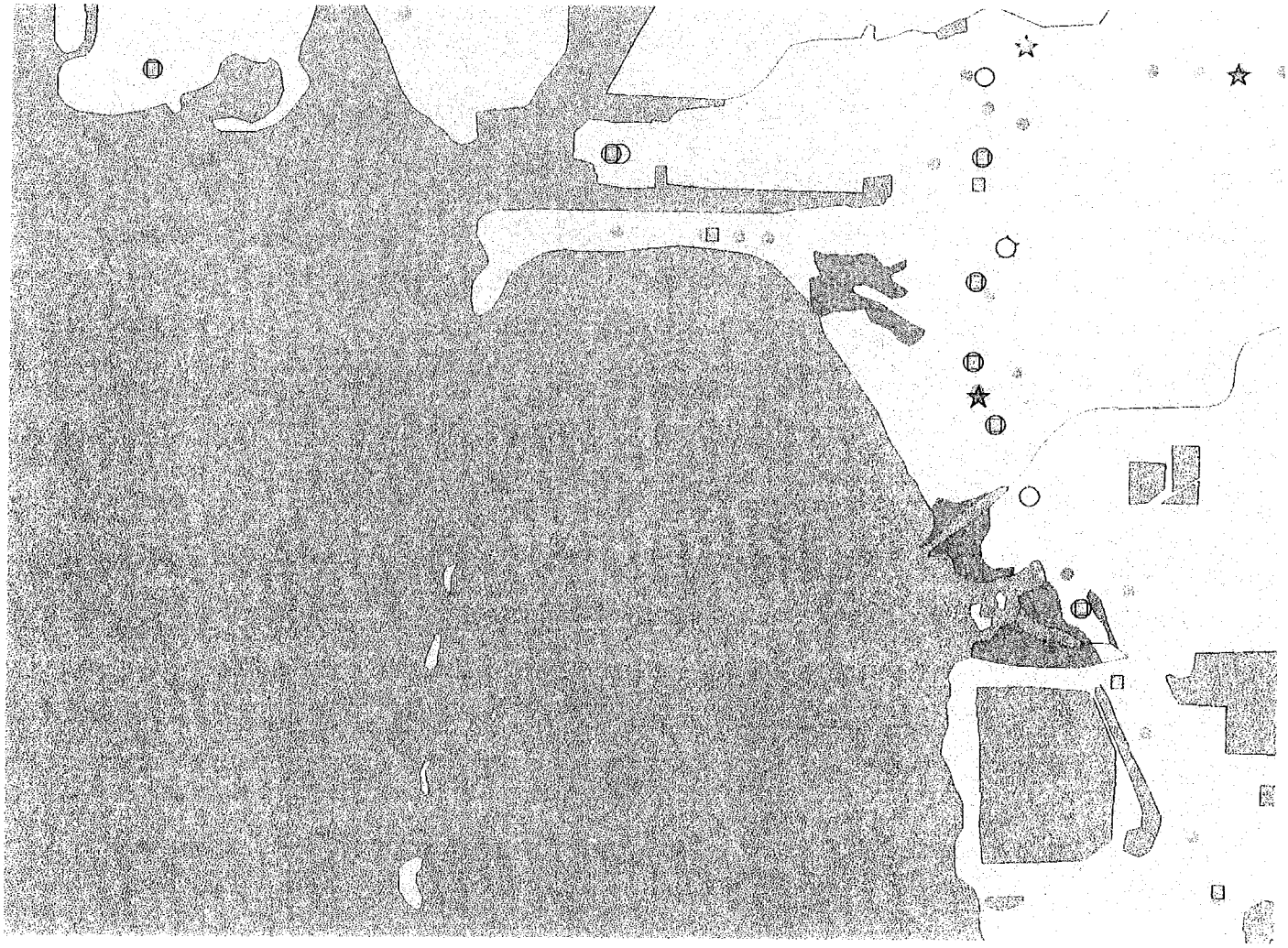
Hazardous & Toxic Waste /Material Database Review

HILLSBOROUGH COUNTY

N
W E
S

FIGURE A3

Ybor Harbor Turning Basin and Port Suton Hazardous, Toxic and Radioactive Database Review



- Ust_leak.shp
- Ust.shp
- Nat_prior.shp
- Cercla_lst.shp
- Abovgrnd.shp
- Large_gener.shp
- Smal_gener.shp
- Spills.shp
- Stat_cercla_lst.shp
- Stat_prior_lst.shp
- Transporter.shp
- Tsd_fac.shp

Hydro

- land
- water
- wetland

N

W E

S

FIGURE A4